| Inde | ex of | Claims | 5 |
|------|-------|--------|---|
| | | | |

| Application No. | Applicant(s) | |
|-----------------|--------------|--|
| 09/723,519 | YOUNG ET AL. | |
| Examiner | Art Unit | |

3623

| _ | | _ | | |
|---|----------|---|---|------------------|
| J | Rejected | | _ | (Through Cand |
| = | Allowed | | ÷ | Rest |

| _ | (Through numeral) Cancelled |
|---|--------------------------------|
| - | Restricted |

Susanna M. Diaz

| N | Non-Elected | Α | Appeal |
|---|--------------|---|----------|
| ı | Interference | 0 | Objected |

| | | | | | | _ | | | | | 7 | | | 1 | | |
|----------|----------|-----------|----------|--------------|------------|----------------|----------|--------------------------------------------------|----------|--------------|----------|-------|----------|----------|--------------|---|
| Cla | aim | | 1 | _ | | Dat | te | _ | | - | 4 | C | aim | ╄ | | _ |
| Final | Original | 7/7/04 | | | | | | | | | | Final | Original | | | |
| | 1 | V | | | 1- | | 1 | 1 | ╁ | ╈ | 1 | - | 51 | T | + | - |
| | 2 | 1 | | | | 1 | | | 1 | 1 | 1 | _ | 52 | \top | + | _ |
| | 3 | 1 | | | 1 | | | T | T | \top | | | 53 | \top | T | _ |
| | 4 | 1 | | | | | | Т | | Τ | 1 | | 54 | | \top | _ |
| | 5 | 1 | | Π | | | | | T | | | | 55 | T | | _ |
| | 6 | 1 | | | | | | | | | 7 | | 56 | T | 1 | _ |
| | 7 | 1 | | | | Ī | | T | Т | | 7 | | 57 | 1 | 1 | _ |
| | 8 | | | | | | | | П | Г | 7 | | 58 | | Т | _ |
| | 9 | | | L | | | | L | | | | | 59 | Γ | Τ | 1 |
| | 10 | | | | | | | _ | | | | | 60 | | | |
| | 11 | | | L | <u> </u> _ | | | _ | \perp | | ╛ | | 61 | | | |
| | 12 | | | _ | | ļ | <u> </u> | ļ | _ | \perp | | | 62 | | _ | |
| | 13 | | | <u> </u> | | | | | _ | \perp | | | 63 | | _ | |
| | 14 | | | | | <u> </u> | | ļ., | ↓_ | _ | | | 64 | <u> </u> | _ | |
| | 15 | | | | <u> </u> | L | | | 1_ | ↓_ | | | 65 | | ļ_ | |
| | 16 | | | ļ | _ | _ | <u> </u> | _ | | - | 1 | | 66 | <u> </u> | | |
| | 17 | - | | | _ | - | ļ | <u> </u> | ļ., | _ | 4 | | 67 | | _ | 4 |
| | 18 | | | - | _ | - | <u> </u> | <u> </u> | | - | 4 | | 68 | <u> </u> | <u> </u> | 4 |
| | 19 | 4 | | - | <u> </u> | | <u> </u> | | ╄ | 1 | - 1 | | 69 | _ | 1 | 4 |
| | 20 | | | - | - | — | <u> </u> | <u> </u> | ₩ | ↓_ | 4 | | 70 | | - | 1 |
| | 21 22 | | | | ļ . | - | | - | - | ₩. | ┦┤ | | 71 | - | | 1 |
| | | \dashv | | - | - | ├— | _ | i . | ļ | - | - | | 72 | <u> </u> | L | 4 |
| | 23 24 | - | _ | - | - | | - | | ļ | ╄- | ↓ | | 73 | <u> </u> | ļ | 4 |
| | 25 | - | | - | | | | _ | - | ┼- | ┦ ├ | | 74 | | <u> </u> | 4 |
| | 26 | - | | | | ├ | _ | - | \vdash | ├ - | - | | 75 | | 1 | 4 |
| | 27 | - | | | - | - | - | - | ┝ | - | ┨ | | 76 77 | <u> </u> | | 4 |
| | 28 | - | | - | | | - | - | - | ╁ | ┨ | | 78 | <u> </u> | ┝ | + |
| | 29 | - | | | | - | - | - | | +- | 1 | | 79 | | - | + |
| | 30 | - | | \vdash | - | | | - | | | 1 1 | | 80 | | ┢ | + |
| | 31 | | | - | - | | | | 1 | H | 1 } | | 81 | | - | t |
| | 32 | _ | | | - | | _ | | - | + | 1 | | 82 | | | t |
| | 33 | \exists | | | | | _ | _ | | - | 1 | | 83 | _ | | t |
| | 34 | T | | | | | | | T | ╁╌ | 1 1 | | 84 | | \vdash | t |
| | 35 | | | | - | | | | | | 1 | _ | 85 | | <u> </u> | t |
| | 36 | | | | | | | | | | 1 | | 86 | | | t |
| | 37 | | | | | | | | | | 1 1 | | 87 | _ | | t |
| | 38 | | | | | | | | | | 1 | | 88 | | | t |
| | 39 | | | | | | | | | | 1 [| | 89 | | | t |
| | 40 | | | | | | | | | |] [| | 90 | | | T |
| | 41 | | | | | | | | | | | | 91 | | | Ī |
| | 42 | _ | | | | _ | | | | |] [| | 92 | | | Γ |
| | 43 | 4 | _ | | _ | | _ | | | | | | 93 | | | ľ |
| | 44 | \dashv | _ | | | | | | | L_ | | | 94 | | | L |
| | 45 | 4 | 4 | | _ | | | | _ | <u> </u> | | | 95 | | | L |
| | 46 | _ | 4 | _ | | _ | _ | | | <u></u> | | | 96 | | | |
| | 47 | - | 4 | _ | | | | _ | _ | L., | | | 97 | _ | | L |
| | 48 | | \dashv | _ | _ | | | | _ | | | | 98 | _ | | L |
| \dashv | 49 | - | | | _ | _ | \dashv | | | | | | 99 | | | L |
| 1 | 50 | | | | - 1 | | ĺ | | | | | | 100 | | | ŀ |

| | | | | | _ | | | | | |
|-------|----------|----------|--------------|-----------|----------|----------|----------|--------------|----------|----------------|
| Cla | aim | | | | | Da | te | | | |
| Final | Original | | | | | | | | | |
| I I | 1 | | | | | | | | | |
| | 51 | | Γ | | | | | | | |
| | 52 | _ | | | | | | | | Т |
| | 53 | | L | \perp | \perp | | 1 | | | |
| | 54 | _ | L | 1 | | | | L | | <u> </u> |
| - | 55 | | ļ., | \perp | | 1 | \perp | \perp | ┸ | 1_ |
| ļ | 56 | <u> </u> | L | \bot | ┶ | _ | _ | \downarrow | ┸ | _ |
| ļ | 57 | | | + | <u> </u> | 4_ | \bot | \perp | _ | ↓_ |
| | 58 | _ | ┝ | + | \perp | + | +- | + | 1 | + |
| - | 59 60 | | \vdash | ┼┈ | +- | + | + | +. | + | + |
| - | 61 | | ┝ | + | +- | + | +- | - | ╁ | +- |
| - | 62 | _ | ╁ | + | ┿ | + | + | + | - | |
| | 63 | | - | ╁ | +- | + | +- | + | | + |
| - | 64 | | H | ╁ | +- | + | +- | ╁ | ╁╌ | +- |
| | 65 | | | \dagger | \vdash | + | + | + | +- | t |
| _ | 66 | | ┢ | T | +- | +- | +- | + | + | \dagger |
| | 67 | | T | + | \top | \top | \top | ╁ | 1 | + |
| | 68 | | | \top | 1 | 1 | T | Ť | 1 | T |
| | 69 | | | | Т | 1 | T | | | |
| | 70 | | | | | | T | T | | T- |
| | 71 | | | | | | | | | |
| | 72 | | | 1 | | | | | | |
| | 73 | | | ١. | | \perp | | | | |
| | 74 | | | 1 | <u> </u> | \perp | _ | 1 | <u> </u> | ļ |
| | 75 | | | _ | - | ╄ | 1_ | 1 | Ļ | |
| - | 76 | | _ | - | ├_ | 1 | 1 | | 1 | _ |
| | 77 78 | _ | | ╀ | ┢ | - | ╄- | ╁ | ╁ | - |
| | 79 | | _ | | ╂─ | ┼- | + | \vdash | ┼ | - |
| - | 80 | | _ | ╁╌ | ╁ | + | ╁ | - | - | ├ |
| | 81 | | | + | - | + | ╁╌ | ╁ | ╁ | - |
| | 82 | - | | <u> </u> | \vdash | + | † | \vdash | t^- | - |
| | 83 | | | - | | | T | T | - | |
| | 84 | | | 1 | | \vdash | T | T | | |
| | 85 | | | | | | | | | |
| | 86 | | | | | | | | | |
| | 87 | | | | | L | | | | |
| | 88 | | | - | ļ | | L | | | |
| ļ | 89 | | | _ | _ | <u> </u> | <u> </u> | | | |
| 1 | 90 | 4 | | <u> </u> | _ | - | - | ļ | ┞ | |
| | 91 | \dashv | | - | _ | - | - | <u> </u> | _ | <u> </u> |
| - | 92 | - | | \vdash | - | - | - | - | | \vdash |
| - | 94 | | | - | - | - | \vdash | \vdash | - | \vdash |
| | 95 | - | | | - | - | ├- | | - | \vdash |
| | 96 | \dashv | | \vdash | - | | - | - | | - |
| | 97 | + | | <u> </u> | - | | <u> </u> | | | |
| | 98 | 1 | | | | | _ | | \vdash | |
| | 99 | 7 | | | | | | | П | |
| | 100 | | | | | | | | | \neg |

| | , | _ | | | | | | | _ | | | |
|----------|------------|----------|-----------|--------------------------------------------------|-----------|----------|-----------|--------------------------------------------------|-----------|----------|--|--|
| Cla | aim | Date | | | | | | | | | | |
| Final | Original | | | | | | | | | | | |
| | 101 | | T | | \dagger | + | \dagger | ╁ | \dagger | † | | |
| | 101 102 | | | | | | | | | | | |
| | 103 | | <u> </u> | | | | | I | | | | |
| | 104 | <u> </u> | 1 | _ | \perp | \perp | \perp | 1 | 1 | | | |
| - | 105 | <u> </u> | - | ļ | ╄- | \perp | - | \perp | 4_ | _ | | |
| \vdash | 106 | <u> </u> | +- | 1 | \perp | +- | - - | + | +- | 1 | | |
| - | 107 108 | - | - | + | - | ╀ | + | +- | + | - | | |
| | 109 | \vdash | ╁ | +- | + | +- | ╁ | ╁ | + | \vdash | | |
| | 110 | - | + | + | ╁ | - | + | ╁╴ | + | | | |
| | 111 | | ✝ | † | T | + | +- | † | ╁ | - | | |
| | 112 | | 1 | T | | | 1 | T | \top | | | |
| | 112 113 | | | | | | T | | 1 | | | |
| | 114 | | | | | | | | | | | |
| | 115 | | | <u></u> | | _ | | | | | | |
| | 116 | | <u> </u> | _ | ┶ | L | \perp | 1 | _ | | | |
| \vdash | 117 | | 1 | <u> </u> | ₽. | 1 | - | - | ╄ | Ш | | |
| \vdash | 118 119 | | | ├- | ₽- | 1 | | \vdash | ــ | \sqcup | | |
| \vdash | 120 | - | - | - | 1 | - | ╂ | ┼ | ┼- | Н | | |
| - | 120 121 | - | - | | | + | - | ╁ | ┢ | \vdash | | |
| | 122 | - | <u> </u> | - | - | \vdash | - | + | ╁╌ | Н | | |
| | 123 | | ┢╌ | | \vdash | t^- | ╁╌ | \vdash | ╁╴ | \vdash | | |
| | 124 | | T | | H | t | \vdash | \vdash | 1 | | | |
| | 125 | | | | | | | | T | | | |
| | 126 | | | | | | | | | | | |
| | 127 | | | | | <u> </u> | ļ_ | _ | | | | |
| | 128 129 | | _ | | | L. | L | | L | Ш | | |
| | 129 | | | _ | | _ | 1 | ↓_ | <u> </u> | | | |
| | 130 131 | _ | | _ | H | ļ., | - | ├_ | <u> </u> | | | |
| | 132 | | - | | - | | <u> </u> | - | ├- | - | | |
| | 133 | | - | - | - | <u> </u> | ┢ | | - | H | | |
| | 134 | _ | \vdash | | ļ | \vdash | - | <u> </u> | | | | |
| | 135 | | _ | - | | | | | | Н | | |
| | 136 | | | | | | | | | | | |
| | 137 | | | | | | | | | | | |
| | 138 | | | _ | | _ | <u> </u> | L | | | | |
| | 139 | _ | _ | | | | _ | <u> </u> | <u> </u> | | | |
| | 140 141 | _ | | | | _ | - | - | | | | |
| | 142 | - | _ | | _ | | | - | - | \dashv | | |
| + | 143 | | \vdash | - | | - | H | - | \vdash | \dashv | | |
| | 144 | | | - | _ | \vdash | - | | \vdash | | | |
| | 145 | \neg | \exists | | | | _ | | | \dashv | | |
| | 146 | | | | | | | | \vdash | | | |
| | 147 | | | | | | | | | | | |
| | 148 | \Box | | | | | | | | | | |
| | 149 | _ | _ |] | | | | | | | | |
| | 150 | | | | | | | | | | | |